REAL-TIME RETARGETING PROGRAM AREAS

RMM (Real-Time Mission Management)
SPONSOR - ONR 311; 6.2
PMA 265 ?; 6.3

RAIW (Real-Time Application Integration for the Warfighter)
SPONSOR - ONR 311; 6.2

REDS (Real-Time Execution Decision Support)
SPONSOR - ONR 311; 6.2

ROC (Reconfigurable Operations Center)
SPONSOR - PMA 233; 6.4, ONR 311; 6.2

WVA
SPECTRUM MANAGER
RECONFIGURABLE OPERATIONS CENTER
RTR
THREE TIER ARCHITECTURE

RTR WITHIN/BEYOND

Mission Statement Objective: To respond in real time to dynamically changing retargeting situations by providing warfighters a capability to do rapid mission replanning, mission execution, target recognition and combat assessment utilizing in-theater assets.

WITHIN STRIKE AREA   BEYOND STRIKE AREA

RTR INTERFACE ENVIRONMENTS

Information Grid
•Object-based Arch.
•S/W Agents
•Data Assurance
•Data Quality
•Data Fusion

Sensor Grid
•Assets: (Air, Sea Ground, Space)
•Dynamic Tasking
•Tailored Pull

RTR

Engagement Grid
•Time-Critical Targeting/ Retargeting
•Execution Monitor
•Integrated Force Management

RTR COMPONENTS

WVA — In Flight: Dock to A/C — Platform
ROC
REDS
Mission Planning: Dock to ELP

IMS
- Element Level Planner
- Intelligent Information Export & Retrieval

DDS
- Dynamic Re-allocation
- Real Time Mission Monitor

SPECTRUM MANAGER
- Decision Manager
- Link Maximizer

LAN

Link-4 | Link-11 | Link-16 | TDDS | GBS | GPS | TCDL/CHBDL | SIPRNET | METOC | Etc.

■ BETA   ■ Existing Connectivity   ■ Prototype

RTR COMPONENTS

ROC
WVA (Brick)

1. Brick docks for planning
2. Undock - to Brief
3. Dock to Cockpit

Spectrum Manager

REDS INFORMATION FLOW

Element Level Planner
Plan Execution Monitor
Situation Awareness
Intel & METOC
RTR Trigger
Resource Allocation & Routing
Risk Analysis
Evaluation & Recommendation